

# Anti-CD276(B7H3) hlgG1 Reference Antibody(lfibio)

## Product Information

<b>Product Name</b>	Anti-CD276(B7H3) hlgG1 Reference Antibody(lfibio)
<b>Storage temp.</b>	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
<b>Catalog# / Size</b>	<b>GM-87345MAB-1mg / 1 mg</b> <b>GM-87345MAB-5mg / 5 mg</b> <b>GM-87345MAB-25mg / 25 mg</b> <b>GM-87345MAB-50mg / 50 mg</b> <b>GM-87345MAB-100mg / 100 mg</b>

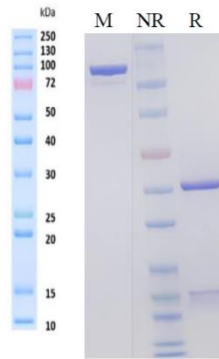
## Antibody Information

<b>Expression System</b>	CHO
<b>Aggregation</b>	< 5% as determined by SEC-HPLC
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Endotoxin</b>	< 1 EU/mg, determined by LAL gel clotting assay
<b>Sterility</b>	0.2 μm Filtered
<b>Target</b>	CD276(B7H3)
<b>Clone</b>	lfinatamab
<b>Alternative Names</b>	4lg-B7-H3, B7-H3, B7H3, B7RP-2
<b>Source/Isotype</b>	Monoclonal Human IgG1(REEM),Kappa
<b>Application</b>	Flow Cytometry; Bioactivity-ELISA
<b>Description</b>	CD276, also known as B7-H3, is an important immune regulatory molecule and a member of the B7 family. CD276 is highly expressed in various tumors and is closely associated with the occurrence, development, and prognosis of cancer. Studies have shown that CD276 can inhibit the activation and proliferation of T cells by interacting with its receptor between T cells and tumor cells, thereby suppressing the immune cells' attack on tumors, promoting tumor evasion, and development.
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2.

Version:1.2 Revision Date:03/07/2024

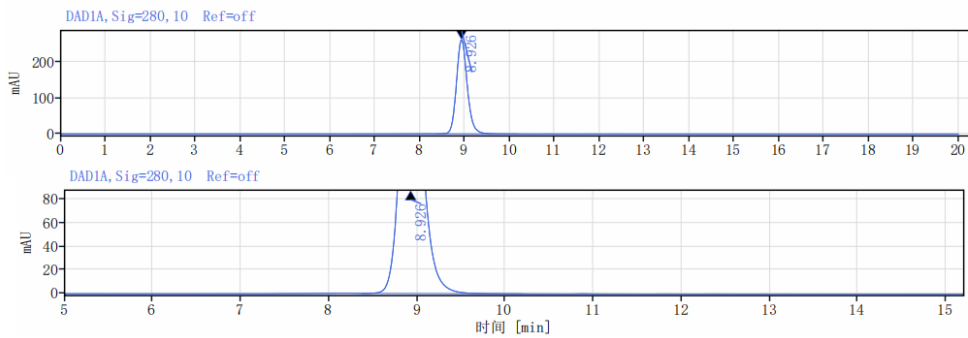
## Data Examples

### SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

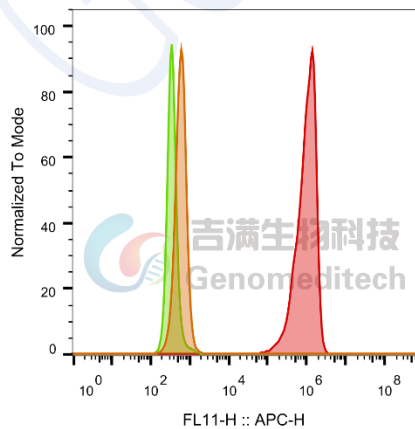
### SEC-HPLC



The purity of this product is more than 95% verified by SEC-HPLC

### Flow cytometry

H\_CD276(B7H3) CHO-K1 Cell Line (Catalog # GM-C09618) was stained with Anti-CD276(B7H3) hIgG1 Reference Antibody(Ifibio) (Catalog # GM-87345MAB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
CHO-K1 anti-CD276(B7H3)+APC-2nd Ab	601
CHO-K1 H_CD276(B7H3) H_IgG+APC-2nd Ab	364
CHO-K1 H_CD276(B7H3) anti-CD276(B7H3)+APC-2nd Ab	9.06E5

Fig. FACS

Flow cytometry

Cynomolgus\_CD276 CHO-K1 (Catalog # GM-C23914) was stained with Anti-CD276(B7H3) hlgG1 Reference Antibody(Ifibio) (Catalog # GM-87345MAB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

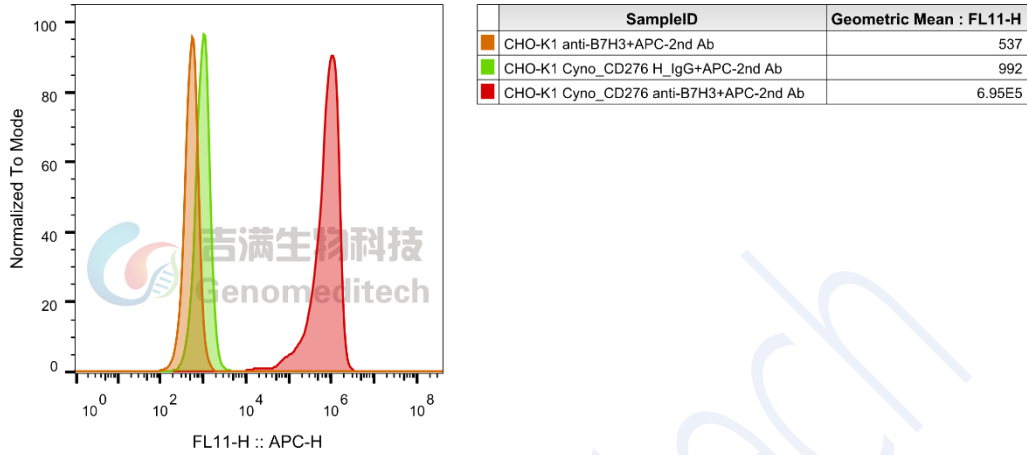


Fig. FACS

Bioactivity-ELISA

Human CD276(B7H3 4lg) Protein; His Tag (Catalog # GM-87619RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-CD276(B7H3) hlgG1 Reference Antibody(Ifibio) (Catalog # GM-87345MAB) were added.

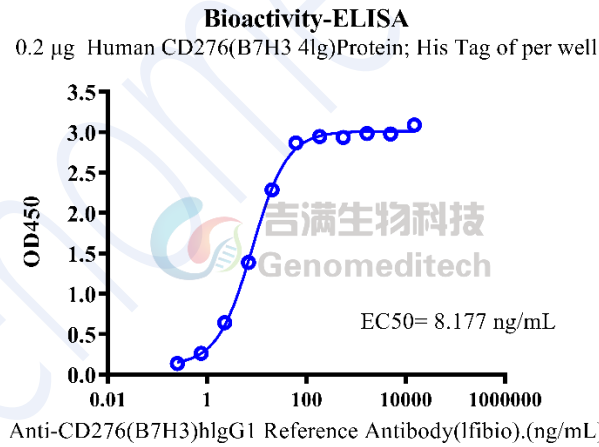


Fig. assay

Bioactivity-ELISA

Biotinylated Human CD276(B7H3 4Ig) Protein; His-Avi Tag (Catalog # GM-87620RP) was immobilized at 1 µg/ml (100 µL/well) on streptavidin pre-coated. Increasing concentrations of Anti-CD276(B7H3) hIgG1 Reference Antibody(Ifibio) (Catalog # GM-87345MAB) were added.

### Bioactivity-ELISA

0.1µg Biotinylated Human CD276(B7H3 4Ig) Protein; His-Avi Tag of per well

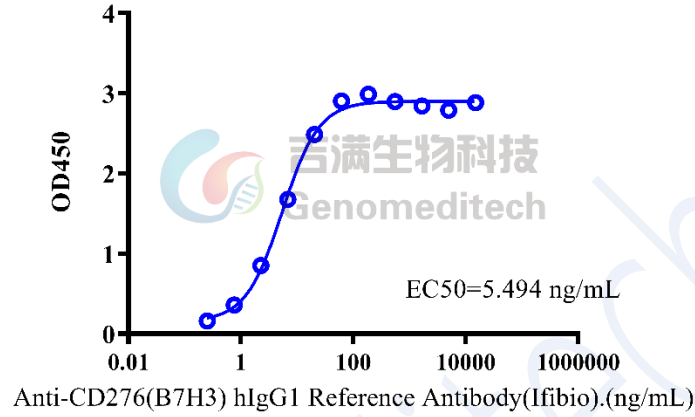


Fig. assay